

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089562 A1

(51) International Patent Classification⁷: **A23C 19/032**,
19/04

(74) Common Representative: **NOVOZYMES A/S**; Patents,
Krogshoejvej 36, DK-2880 Bagsvaerd (DK).

(21) International Application Number:
PCT/DK2005/000197

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/555,922 24 March 2004 (24.03.2004) US

(71) Applicants (for all designated States except US):
NOVOZYMES A/S [DK/DK]; Krogshoejvej 36,
DK-2880 Bagsvaerd (DK). **NOVOZYMES NORTH
AMERICA, INC.** [US/US]; 77 Perry Chapel Church
Road, Franklinton, North Carolina 27525 (US). **CHR.
HANSEN A/S** [DK/DK]; Boege Alle 10-12, DK-2970
Hoersholm (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FATUM**, Tine,
Muxoll, [DK/DK]; Soevangen 50, DK-3450 Allerød
(DK). **HIGGINS**, Don [US/US]; 4060 Ridgeway Drive,
Franklinton, nc 27525 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **PROCESS FOR PRODUCING CHEESE**

(57) Abstract: The present invention relates to a method for producing cheese comprising treating the cheese milk, or a fraction of
the cheese milk, with phospholipase C and/or phospholipase D.



WO 2005/089562 A1